

## Appendix E

Author (Publication Year)	Visualization Options												
	Maps	Symbols	Icons	Pop-ups	Bar Charts	Pie Charts	Line Graphs	Tables	Timeline	Tree Maps	Word Clouds	Sub- Sections	Use of Colour
Al Manir, M. S., et al. (2018). A Surveillance Infrastructure for Malaria Analytics: Provisioning Data Access and Preservation of Interoperability. <i>JMIR Public Health And Surveillance</i> , 4(2), Article e10218.													
Alvarez, V. C., et al. (2019). Visualization of Health Data. In J. C. W. Lin, I. H. Ting, K. Wang, & T. Tang (Eds.), <i>Multidisciplinary Social Networks Research, 6th International Conference, MISNC 2019, Wenzhou, China, August 26–28, 2019, Revised Selected Papers</i> (Vol. 1131 CCIS, pp. 118-130): Springer.	X			X	X		X						
Avvenuti, M., et al. (2018). CrisMap: A Big Data Crisis Mapping System Based on Damage Detection and Geoparsing. <i>Information Systems Frontiers</i> , 20(5), 993–1011.	X										X		
Basdere, M., et al. (2019). Safe: A Comprehensive Data Visualization System. <i>INFORMS Journal on Applied Analytics</i> , 49(4), 249-261.	X			X	X								X
Benson, A. L., et al. (2010). <i>Adaptive Development of a Common Operating Environment for Crisis Response and Management</i> . ISCRAM 2010 – 7th International Conference on Information Systems for Crisis Response and Management: Defining Crisis Management 3.0, Proceedings, Seattle, WA: Information Systems for Crisis Response and Management, ISCRAM.	X												
Bernard, J., et al. (2019). Using Dashboard Networks to Visualize Multiple Patient Histories: A Design Study on Post-Operative Prostate Cancer. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 25(3), 1615-1628.	X				X	X							X
Bhardwaj, S., et al. (2014). Elimination of Mother-to-Child Transmission of HIV in South Africa: Rapid Scale-up Using Quality Improvement. <i>South African Medical Journal</i> , 104(3), 239-243.													X

Braa, J., et al. (2017). Health Information Systems in Indonesia: Understanding and Addressing Complexity. In M. S. Islam, F. Wahid, J. E. Priyatma, J. Choudrie, & J. M. Bass (Eds.), (Vol. 504, pp. 59-70): Springer New York LLC.									
Brownson, R. C., et al. (2015). Applying A Mixed-Methods Evaluation to Healthy Kids, Healthy Communities. <i>Journal of Public Health Management and Practice</i> , 21, 16-26.									
Campbell, T. C., et al. (2014). Development of the Respiratory Disease Dashboard for the Identification of New and Emerging Respiratory Pathogens. <i>Johns Hopkins APL Technical Digest (Applied Physics Laboratory)</i> , 32(4), 726-734.	X				X				X
Carmichael, J. M., et al. (2017). Leveraging Electronic Medical Record Data for Population Health Management in the Veterans Health Administration: Successes and Lessons Learned. <i>American Journal of Health-System Pharmacy</i> , 74(18), 1447-1459.		X							X
Choudhary, V., et al. (2020). <i>AirQ: A Smart IOT Platform for Air Quality Monitoring</i> . 2020 IEEE 17th Annual Consumer Communications & Networking Conference (CCNC), Las Vegas, NV.	X								
Concannon, D., et al. (2019). Developing a Data Dashboard Framework for Population Health Surveillance: Widening Access to Clinical Trial Findings. <i>JMIR Formative Research</i> , 3(2), Article e11342.	X		X	X	X	X		X	X
Devi, L. N., et al. (2018). <i>Live Demonstration on Smart Water Quality Monitoring System Using Wireless Sensor Networks</i> . 2018 IEEE SENSORS, New Delhi, India.	X								
Dong, E., et al. (2020). An Interactive Web-Based Dashboard to Track COVID-19 in Real Time. <i>The Lancet. Infectious Diseases</i> , 20(5), 533-534.									
Erraguntla, M., et al. (2012). <i>Open Source Text Based Biovigilance</i> . Proceedings of the 2012 International Conference on Artificial Intelligence (ICAI 2012, Vol. 1), Las Vegas, NV.								X	
Estuar, M. R. E., et al. (2016). <i>The Challenge of Continuous User Participation in eBayanihan: Digitizing Humanitarian Action in a Nationwide Web Mobile Participatory Disaster Management System</i> . 2016 3rd International Conference on Information and	X								

Communication Technologies for Disaster Management (ICT-DM), Vienna, Austria.						
Federico, L., et al. (2016). <i>SINSE+: A Software for the Acquisition and Analysis of Open Data in Health and Social Area</i> 24th Italian Symposium on Advanced Database Systems (SEBD 2016), Ugento, Lecce, Italy.	X			X		
Gourevitch, M. N., et al. (2019). City-Level Measures of Health, Health Determinants, and Equity to Foster Population Health Improvement: The City Health Dashboard. <i>American Journal of Public Health, 109</i> (4), 585-592.	X				X	
Hamoy, G. L., et al. (2016). Real-Time Regular Routine Reporting for Health (R4health): Lessons from the Implementation of a Large Scale Mobile Health System for Routine Health Services in the Philippines. <i>Acta Medica Philippina, 50</i> (4), 280-294.		X		X		
Harris, J. K., et al. (2018). Evaluating the Implementation of a Twitter-Based Foodborne Illness Reporting Tool in the City of St. Louis Department of Health. <i>International Journal of Environmental Research and Public Health, 15</i> (5), Article 833.						
Hoare, G., et al. (2010). Developing H1N1 Hospital Surge "Dashboard" Indicators: A Demonstration. ISCRAM 2010 – 7th International Conference on Information Systems for Crisis Response and Management: Defining Crisis Management 3.0.						
Homsuwan, P., et al. (2018). Visualization Development of Health Data Reporting with Business Intelligence Techniques. <i>Journal of the Medical Association of Thailand, 101</i> (6), 49-54.	X		X	X		X
Husain, S. S., et al. (2015). SOCR Data Dashboard: An Integrated Big Data Archive Mashing Medicare, Labor, Census and Econometric Information. <i>Journal of Big Data, 2</i> (1), Article 13.	X		X	X		X
Husain, W., et al. (2016). M-DENGUE: Utilizing Crowdsourcing and Teleconsultation for Location-Based Dengue Monitoring and Reporting System. <i>Jurnal Teknologi, 78</i> (9-3), 89-95.	X		X	X		
Jamil, J. M., et al. (2016). An Innovative Data Mining and Dashboard System for Monitoring of Malaysian Dengue Trends. <i>Journal of Telecommunication, Electronic and Computer Engineering, 8</i> (10), 9-12.			X	X	X	X

Jinpon, P., et al. (2017). Integrated Information Visualization to Support Decision Making for Health Promotion in Chonburi, Thailand. <i>Walailak Journal of Science and Technology</i> , 16(8), 551-560.		X		X		X	
Jinpon, P., et al. (2017). Integrated Information Visualization to Support Decision-Making in Order to Strengthen Communities: Design and Usability Evaluation. <i>Informatics for Health &amp; Social Care</i> , 42(4), 335-348.	X	X		X		X	
Kamadjeu, R., et al. (2017). Designing and Implementing an Electronic Dashboard for Disease Outbreaks Response - Case Study of the 2013-2014 Somalia Polio Outbreak Response Dashboard. <i>The Pan African medical journal</i> , 27.	X	X		X		X	
Kostkova, P. (2013). <i>A Roadmap to Integrated Digital Public Health Surveillance: The Vision and the Challenges</i> . WWW '13 Companion Proceedings of the 22nd International Conference on World Wide Web, Rio de Janeiro, Brazil.	X						
Kostkova, P., et al. (2014). <i>Integration and Visualization Public Health Dashboard: The Medi+Board Pilot Project</i> . WWW '14 Companion: Proceedings of the 23rd International Conference on World Wide Web, Seoul, Korea.	X	X		X		X	X
Lee, M. T., et al. (2020). Web-Based Dashboard for the Interactive Visualization and Analysis of National Risk-Standardized Mortality Rates of Sepsis in the US. <i>Journal of Medical Systems</i> , 44(2), Article 54.	X					X	X
Luchetti, G., et al. (2017). Whistland: An Augmented Reality Crowd-Mapping System for Civil Protection and Emergency Management. <i>ISPRS International Journal of Geo-Information</i> , 6(2), Article 41.	X					X	
Marshall, B. D. L., et al. (2017). Development of a Statewide, Publicly Accessible Drug Overdose Surveillance and Information System. <i>American Journal of Public Health</i> , 107(11), 1760-1763.	X		X				
Martinez, L. S., et al. (2019). <i>A Case Study in Belief Surveillance, Sentiment Analysis, and Identification of Informational Targets for E-Cigarettes Interventions</i> . SMSociety '19: Proceedings of the 10th International Conference on Social Media and Society, Toronto, ON.						X	

Meng, Y., et al. (2020). Lessons Learned in the Development of a Web-Based Surveillance Reporting System and Dashboard to Monitor Acute Febrile Illnesses in Guangdong and Yunnan Provinces, China, 2017-2019. <i>Health Security</i> , 18(S1), 14-22.	X					X			
Mulero, R., et al. (2018). Towards Ambient Assisted Cities Using Linked Data and Data Analysis. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 9(5), 1573-1591.				X					
Nascimento, B. S., et al. (2017). <i>A Flexible Architecture for Selection and Visualization of Information in Emergency Situations</i> . 2016 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2016), Budapest, Hungary.	X			X	X		X	X	X
Pathirannehelage, S., et al. (2018). Uptake of a Dashboard Designed to Give Realtime Feedback to a Sentinel Network About Key Data Required for Influenza Vaccine Effectiveness Studies. <i>Studies in Health Technology and Informatics</i> , 247, 161-165.			X	X		X			X
Perez-Gonzalez, C. J., et al. (2019). Developing a Data Analytics Platform to Support Decision Making in Emergency and Security Management. <i>Expert Systems with Applications</i> , 120, 167-184.	X					X			
Pike, I., et al. (2017). The Canadian Atlas of Child and Youth Injury: Mobilizing Injury Surveillance Data to Launch a National Knowledge Translation Tool. <i>International Journal of Environmental Research and Public Health</i> , 14(9), 982, Article 982.	X		X	X		X		X	X
Poy, A., et al. (2017). Monitoring Results in Routine Immunization: Development of Routine Immunization Dashboard in Selected African Countries in the Context of the Polio Eradication Endgame Strategic Plan. <i>Journal of Infectious Diseases</i> , 216, 226-236.									
Rees, E. E., et al. (2011). Advancements in Web-Database Applications for Rabies Surveillance. <i>International Journal of Health Geographics</i> , 10, Article 48.	X	X			X		X	X	
Rees, K. (2010). <i>Periscopic Visualizes Symptomatology of Pandemic: Vast 2010 Mini Challenge 2 Award: Effective Visualization of Symptoms</i> . 2010 IEEE Symposium on Visual Analytics Science and Technology, Salt Lake City, UT.	X	X				X			X

Robertson, H., et al. (2017). A Spatial Dashboard for Alzheimer's Disease in New South Wales. In A. Ryan, L. K. Schaper, & S. Whetton (Eds.), <i>Integrating and Connecting Care</i> (Vol. 239, pp. 126-132). Ios Press.	X					X		X
Ryan, K., et al. (2016). Development of an Obesity Prevention Dashboard for Wisconsin. <i>Wisconsin Medical Journal</i> , 115(5), 224-227.				X				
Saha, S., et al. (2018). An Analytics Dashboard Visualization for Flood Decision Support System. <i>Journal of Visualisation</i> , 21(2), 295-307.	X			X				X
Savini, L., et al. (2018). A Web Geographic Information System to Share Data and Explorative Analysis Tools: The Application to West Nile Disease in the Mediterranean Basin. <i>PLOS ONE</i> , 13(6), Article e0196429.	X	X			X		X	X
Senyoni, W. F., et al. (2019). An Institutional Perspective on the Adoption of Open Dashboard for Health Information Systems in Tanzania. In P. Nielsen & H. C. Kimaro (Eds.), <i>Information and Communication Technologies for Development: Strengthening Southern-Driven Cooperation as a Catalyst for Ict4d, Pt I</i> (Vol. 551, pp. 272-283). Springer-Verlag Berlin.							X	
Singh, S. K. (2017). Conceptual Framework of a Cloud-Based Decision Support System for Arsenic Health Risk Assessment. <i>Environment Systems and Decisions</i> , 37(4), 435-450.	X				X		X	
Tegtmeyer, R., et al. (2012). <i>Tracing and Responding to Foodborne Illness</i> . Proceedings of the 30th ACM International Conference on Design of Communication, Seattle, Washington, USA.	X						X	
ter Waarbeek, H., et al. (2011). Strengthening Infectious Disease Surveillance in a Dutch-German Crossborder Area Using a Real-Time Information Exchange System. <i>Journal of business continuity &amp; emergency planning</i> , 5(2), 173-184.	X						X	
Thomas, M., et al. (2016). The Role of Participatory Communication in Tracking Unreported Reproductive Tract Issues in Marginalized Communities. <i>Information Technology for Development</i> , 22(1), 117-133.				X	X		X	
Thomas, M. A., et al. (2012). Mitigating Gaps in Reproductive Health Reporting in Outlier Communities of Kerala, India-a Mobile Phone-Based Health Information System. <i>Health Policy and Technology</i> ,				X	X		X	

1(2), 69-76.									
Thorve, S., et al. (2018). EpiViewer: An Epidemiological Application for Exploring Time Series Data. <i>BMC Bioinformatics</i> , 19(1), 449, Article 449.			X		X		X		X
Tom-Aba, D., et al. (2015). Innovative Technological Approach to Ebola Virus Disease Outbreak Response in Nigeria Using the Open Data Kit and Form Hub Technology. <i>PLOS ONE</i> , 10(6), Article e0131000.	X								
Urosevic, V., et al. (2017). <i>An Interactive Environment for Managing Detected Data Towards Geriatric Prevention</i> . 2017 IEEE 3rd International Forum on Research and Technologies for Society and Industry (RTSI), Modena, Italy.			X	X	X		X		X
van Ginkel, K. C. H., et al. (2018). Urban Water Security Dashboard: Systems Approach to Characterizing the Water Security of Cities [Article]. <i>Journal of Water Resources Planning and Management</i> , 144(12), Article 04018075.									
Vila, R. A., et al. (2018). <i>The Design and Use of Dashboards for Driving Decision-Making in the Public Sector</i> Proceedings of the 11th International Conference on Theory and Practice of Electronic Governance, New York.	X			X					X
Wahi, M. M., et al. (2019). Visualizing Infection Surveillance Data for Policymaking Using Open Source Dashboarding. <i>Applied Clinical Informatics</i> , 10(3), 534-542.					X			X	
Waye, K. M., et al. (2018). Action-Focused, Plain Language Communication for Overdose Prevention: A Qualitative Analysis of Rhode Island's Overdose Surveillance and Information Dashboard. <i>International Journal of Drug Policy</i> , 62, 86-93.	X		X						
Wissel, B. D., et al. (2020). An Interactive Online Dashboard for Tracking COVID-19 in U.S. Counties, Cities, and States in Real Time. <i>Journal of the American Medical Informatics Association</i> , 27(7), 1121-1125.	X						X		
Zheng, L., et al. (2013). Data Mining Meets the Needs of Disaster Information Management. <i>IEEE Transactions on Human-Machine Systems</i> , 43(5), 451-464.	X		X						
Zheng, L., et al. (2010). <i>Using Data Mining Techniques to Address Critical Information Exchange Needs in</i>			X				X		X

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Zhu, Z., et al. (2017). Interactive Data Visualization to Understand Data Better: Case Studies in Healthcare System. In *Decision Management: Concepts, Methodologies, Tools, and Applications* (Vol. 1-4, pp. 27-36). IGI Global.

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